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HUDSON RIVER PCBs  
SUPERFUND SITE  
DRAFT QUALITY OF LIFE  
PERFORMANCE STANDARDS

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DECEMBER 2003



United States Environmental  
Protection Agency



**Hudson River PCBs Superfund Site  
Draft Quality of Life  
Performance Standards**

**Public Review Copy**

**December 2003**

**Prepared for:  
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region 2**

**and**

**UNITED STATES ARMY CORPS OF ENGINEERS  
Kansas City District**

**Prepared by:**



**Under contract with:**



**United States Army  
Corps of Engineers**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
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December 19, 2003

To All Interested Parties:

The U.S. Environmental Protection Agency (USEPA) is pleased to release the Draft Quality of Life Performance Standards - Public Review Copy, which is part of the remedial design for the Hudson River PCBs Superfund Site. The document presents the performance standards for air quality, odor, noise, lighting, and navigation that were developed by USEPA in accordance with its 2002 Record of Decision (ROD) for the Site.

The 2002 ROD states that the performance standards will be developed during the remedial design with input from the public. To that end, USEPA is accepting comments on the Draft Quality of Life Performance Standards through February 17, 2004. Comments can be submitted to Dean Maraldo, USEPA Region 2, 290 Broadway - 19<sup>th</sup> Floor, New York, NY 10007-1866.

USEPA will hold public forums on the Draft Quality of Life Performance Standards. Information on these meetings is being sent to USEPA's mailing list and is presented below:

- Wednesday, January 14: Fort Edward Fire Hall, 116 Broadway, Fort Edward, 5:30 p.m. to 8:00 p.m.
- Thursday, January 15: Albany Marriott, 189 Wolf Road, Albany, 5:30 p.m. to 8:00 p.m.

If you need additional information regarding the Draft Quality of Life Performance Standards, the public forums, or the Hudson River PCBs Site in general, please contact USEPA's Community Relations Coordinators for this site, Leo Rosales at (518) 747-4389 and David Kluesner at (212) 637-3653.

Sincerely yours,

A handwritten signature in blue ink, appearing to read "G. Pavlou".

George Pavlou, Director  
Emergency and Remedial Response Division

# Table of Contents

Section	Page
<b>1</b>	<b>Introduction ..... 1-1</b>
1.1	Background Information ..... 1-1
1.2	Structure and Content of this Document ..... 1-2
<b>2</b>	<b>Description of Project Remedial Activities ..... 2-1</b>
2.1	Preliminary Design of the Remedial Action ..... 2-1
2.1.1	Dredging (Mechanical and/or Hydraulic) ..... 2-2
2.1.2	Transport of Dredged Material by Barge or Pipeline..... 2-2
2.1.3	PCB-release Containment ..... 2-3
2.1.4	Material Handling, Dewatering, and Water Treatment..... 2-3
2.1.5	Transportation and Disposal of Processed Sediments..... 2-3
2.1.6	Habitat Replacement and Reconstruction ..... 2-4
2.2	Application of Performance Standards to the Remedial Action ..... 2-4
<b>3</b>	<b>Description of Performance Standards..... 3-1</b>
<b>4</b>	<b>Quality of Life Considerations ..... 4-1</b>
4.1	Public Concerns..... 4-2
4.1.1	General Concerns ..... 4-2
4.1.2	Air Quality..... 4-2
4.1.3	Odor..... 4-3
4.1.4	Noise..... 4-3
4.1.5	Lighting ..... 4-4
4.1.6	Navigation ..... 4-4
4.1.7	Other Quality of Life Considerations..... 4-5
<b>5</b>	<b>Development of Quality of Life Performance Standards ..... 5-1</b>
5.1	Technical Approach to Standards Development ..... 5-2
5.2	Quality of Life Performance Standards Development Process ..... 5-3
<b>6</b>	<b>Quality of Life Performance Standards ..... 6-1</b>
6.1	Performance Standard for Air Quality ..... 6-2
6.1.1	Introduction ..... 6-2
6.1.2	Technical Basis for Air Quality Performance Standard..... 6-3
6.1.3	Requirements from the ROD..... 6-5

**Table of Contents (cont.)**

<b>Section</b>	<b>Page</b>
6.1.4 Case Studies .....	6-5
6.1.5 Development of the Performance Standard for PCB Air Emissions .....	6-7
6.1.6 Design Evaluation .....	6-8
6.1.7 Project Monitoring .....	6-10
6.1.8 Demonstration of Compliance .....	6-11
6.1.9 Other Air Quality Issues.....	6-14
6.1.10 Mitigation and Contingencies .....	6-15
6.1.11 Reporting.....	6-15
6.1.12 Notification.....	6-16
6.2 Performance Standard for Odor .....	6-17
6.2.1 Introduction .....	6-17
6.2.2 Requirements from the ROD.....	6-18
6.2.3 Case Study.....	6-18
6.2.4 Development of the Performance Standard for Odor.....	6-18
6.2.5 Hydrogen Sulfide Standard .....	6-19
6.2.6 Odor Complaint Management .....	6-20
6.2.7 Mitigation and Contingencies .....	6-22
6.2.8 Reporting.....	6-22
6.2.9 Notification.....	6-22
6.3 Performance Standard for Noise .....	6-23
6.3.1 Introduction .....	6-23
6.3.2 Requirements from the ROD.....	6-26
6.3.3 Case Study.....	6-27
6.3.4 Noise Effects on Hearing .....	6-27
6.3.5 State and Federal Noise Standards and Criteria.....	6-28
6.3.6 Development of the Performance Standard for Noise .....	6-31
6.3.7 Demonstration of Compliance .....	6-32
6.3.8 Mitigation and Contingencies .....	6-34
6.3.9 Monitoring.....	6-35
6.3.10 Reporting.....	6-36
6.3.11 Notification.....	6-37
6.4 Performance Standard for Lighting.....	6-38
6.4.1 Introduction .....	6-38
6.4.2 Requirements from the ROD.....	6-38
6.4.3 Lighting Effects.....	6-39
6.4.4 Development of the Performance Standard for Lighting .....	6-41
6.4.5 Demonstration of Compliance .....	6-42
6.4.6 Monitoring Requirements .....	6-43
6.4.7 Mitigation and Contingencies .....	6-43
6.4.8 Reporting.....	6-44
6.4.9 Notification.....	6-44
6.5 Performance Standard for Navigation.....	6-44
6.5.1 Introduction .....	6-44

**Table of Contents (cont.)**

<b>Section</b>	<b>Page</b>
6.5.2 Requirements from the ROD.....	6-46
6.5.3 Federal and State Navigation Laws, Rules, and Regulations.....	6-48
6.5.4 Development of the Performance Standard for Navigation .....	6-49
6.5.5 Demonstration of Compliance .....	6-49
6.5.6 Monitoring.....	6-49
6.5.7 Mitigation and Contingencies .....	6-50
6.5.8 Reporting .....	6-52
6.5.9 Notification.....	6-52
6.6 Other Quality of Life Considerations.....	6-53
6.6.1 Introduction .....	6-53
6.6.2 Requirements from the ROD.....	6-54
6.6.3 Approach .....	6-54
<b>7 Review/Finalizing of the Standards .....</b>	<b>7-1</b>
<b>8 References .....</b>	<b>8-1</b>
<b>Appendix</b>	
<b>A Fundamentals and Definitions (Noise and Lighting) .....</b>	<b>A-1</b>
<b>B Supplemental Navigation Information (Regulations and Factors Affecting Navigation) .....</b>	<b>B-1</b>

# List of Tables

<b>Table</b>	<b>Page</b>
4-1	Quality of Life Considerations for Major Remedial Action Project Activities ..... 4-6
5-1	Plans to be Developed by the Remedial Design Team ..... 5-3
6-1	Summary of Standard for PCBs..... 6-8
6-2	Air Quality Action Levels for PCBs and Required Responses..... 6-16
6-3	Summary of Odor Standard ..... 6-17
6-4	Odor Action Levels and Required Responses..... 6-23
6-5	Noise Standard Summary..... 6-25
6-6	FHWA Noise Action Levels..... 6-29
6-7	USHUD Site Acceptability Standards ..... 6-30
6-8	Noise Monitoring Requirements..... 6-35
6-9	Noise Action Levels and Required Responses ..... 6-37
6-10	Lighting Standard Summary ..... 6-38
6-11	Lighting Action Levels and Required Responses ..... 6-45
6-12	Summary of Applicable Navigation Regulations and Requirements ..... 6-47
6-13	Navigation Action Levels and Required Responses ..... 6-53

# List of Figures

<b>Figure</b>	<b>Page</b>
1-1 Hudson River PCBs Superfund Site, Project Area, Upper Hudson River.....	1-3
5-1 Hudson River PCBs Superfund Site, Quality of Life Performance Standards Development.....	5-5
6-1 Conceptual Air Quality Monitoring Layout: Land-based Transfer and Storage Facility .....	6-12
6-2 Conceptual Air Quality Monitoring Layout: Dredging Locations .....	6-13
6-3 Hydrogen Sulfide Thresholds .....	6-20
6-4 Odor Complaint Procedure .....	6-21
6-5 Comparison of Predicted Hudson River PCBs Superfund Site Noise Levels and Other Sources of Noise .....	6-26
6-6 Conceptual Noise Monitoring Layout .....	6-33
6-7 Conceptual Barge Lighting Configurations.....	6-40

## List of Abbreviations and Acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
AGCs	annual guideline concentrations
ANSI	American National Standards Institute
ARARs	applicable or relevant and appropriate requirements
CAA	Clean Air Act
CB	citizen band (radio)
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CHABA	Committee on Hearing, Bioacoustics, and Biomechanics
CO	carbon monoxide
dB	decibels
dBA	A-weighted decibels
DNL	day-night average sound levels
ECL	Environmental Conservation Law
EPM	Environmental Procedures Manual (NYSDOT)
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FS	Feasibility Study
HAPs	hazardous air pollutants
HHRA	Human Health Risk Assessment
HPS	high pressure sodium (lamp)

**List of Abbreviations and Acronyms (cont.)**

IDLH	immediately dangerous to life or health
IESNA	Illuminating Engineering Society of North America
IRIS	Integrated Risk Information System
ISCST	Industrial Source Complex Short Term (modeling)
$L_{eq}$	continuous equivalent sound level
$L_{eq}(h)$	hourly average equivalent sound level
$L_{10}$	sound pressure level exceeded 10% of the time
LPS	low pressure sodium (lamp)
NAAQS	National Ambient Air Quality Standards
NAC	noise abatement criteria
NASBLA	National Association of State Boating Law Administrators
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NIH	National Institute of Health
NIOSH	National Institute for Occupational Safety and Health
$NO_2$	nitrogen dioxide
NOAA	National Oceanic and Atmospheric Administration
$NO_x$	nitrogen oxides
NYCRR	Official Compilation of NY State Codes, Rules, and Regulations
NYSCC	New York State Canal Corporation
NYSDAR	New York State Division of Air Resources
NYSEDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
NYSEG	New York State Electric and Gas
$O_3$	ozone

**List of Abbreviations and Acronyms (cont.)**

OPRHP	(New York State) Office of Parks, Recreation, and Historic Preservation
OSHA	Occupational Safety and Health Administration
Pb	lead
PCBs	polychlorinated biphenyls
PM	particulate matter
PM <sub>10</sub>	particulate matter smaller than 10 microns in diameter
PM <sub>2.5</sub>	particulate matter smaller than 2.5 microns in diameter
ppm	parts per million
PUF	polyurethane foam
RA	remedial action
RA CHASP	Remedial Action Community Health and Safety Plan
RD	remedial design
ROD	Record of Decision
RS	Responsiveness Summary
SIP	State Implementation Plan
SMU	sediment management unit
SO <sub>2</sub>	sulfur dioxide
SPLs	sound pressure levels
TAGM	Technical and Administrative Guidance Memorandum
TBC	to be considered
TI	Thompson Island
TNM	traffic noise model
TPY	tons per year
USACE	United States Army Corps of Engineers
USCG	United States Coast Guard

**List of Abbreviations and Acronyms (cont.)**

USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
USHUD	United States Department of Housing and Urban Development
VHF	very high frequency (radio)
VOC	volatile organic compound
W HASP	Worker Health and Safety Plan
WHO	World Health Organization